

Existing Tools

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General-purpose virtualization

- Xen
 - x86 VMs would be "heavy-weight" and still require emulation inside them.
- Docker
 - Much lighter; cluster management tools exist.

Virtual devices

- Gateways
 - VyOS
 - May be hard to virtualize with Docker
 - Any virtualized Linux machine works as a gateway with a little configuration.
- Network switches
 - Docker virtual networks
 - Linux bridge networks
- Control-level devices
 - Existing virtualization is unlikely due to wide range of proprietary tools, but most control devices are just specialized Linux boxes.
- PLCs
 - OpenPLC
- Relays
 - Likely requires our own implementation.